From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE

Applicant's or agent's file reference

C75101

in its capacity as elected Office

Date of mailing (day/month/year)	
03 April 2001 (03.04.01)	

International application No. PCT/US00/18896

International filing date (day/month/year)
12 July 2000 (12.07.00)

12 July 2000 (12.07.00)

Applicant

 ng date (day/month/year)
 Priority date (day/month/year)

 000 (12.07.00)
 12 July 1999 (12.07.99)

MANDEL, Kenneth, G. et al

	The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	31 January 2001 (31.01.01)
	in a notice effecting later election filed with the International Bureau on:
2	. The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Antonia Muller

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

PATENT COOPERATION TREATY

PCT

REC'D	2 5	OCT	2001
WIPO		F	PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference C75101	FOR FURTHER ACTION		on of Transmittal of International examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/month/year) Priority date (day/month/year)		Priority date (day/month/year)
PCT/US00/18896	12 July 2000 (12.07.2000)		12 July 1999 (12.07.1999)
International Patent Classification (IPC)	or national classification and IPC		
IPC(7): A61K 33/00, 31/44 and US Cl.:	424/717; 514/339		
Applicant			
SMITHKLINE BEECHAM CORPORA	TION		
	nary examination report has been is transmitted to the applicant a		
2. This REPORT consists of	a total of 3 sheets, including	this cover she	et.
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a	total of sheets.		
3. This report contains indica	ations relating to the following	items:	
I Basis of the rep	ort	•	
II Priority			
III Non-establishment of report with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of invention			
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain docume	VI Certain documents cited		
VII Certain defects	VII Certain defects in the international application		
VIII Certain observa	VIII Certain observations on the international application		
Date of submission of the demand	Date	of completion	of this report
31 January 2001 (31.01.2001)	25 Se	ptember 2001 (2	25.09.2001)
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230 Authorized officer Minuta Moezie Telephone No. (703)305-1235			

Form PCT/IPEA/409 (cover sheet)(July 1998)



•		
nternational	application	No.

PCT/US00/18896

I.	Basi	s of the report		
1.	With	regard to the elements of the international application:*		
	\boxtimes	the international application as originally filed.		
	\boxtimes	the description:		
		pages 1-10 as originally filed		
		pages NONE , filed with the demand		
		pages NONE , filed with the letter of		
	\bowtie	the claims:		
		pages 11 and 12, as originally filed		
		pages NONE, as amended (together with any statement) under Article 19		
		pages NONE , filed with the demand pages NONE , filed with the letter of		
		• •		
	\boxtimes	the drawings:		
		pages NONE , as originally filed pages NONE , filed with the demand		
		pages NONE , filed with the demand pages NONE , filed with the letter of		
		the sequence listing part of the description:		
		pages NONE , as originally filed		
		pages NONE , filed with the demand pages NONE , filed with the letter of		
2	337:41	h regard to the language, all the elements marked above were available or furnished to this Authority in the		
۷.	lano	uage in which the international application was filed, unless otherwise indicated under this item.		
	Thes	we elements were available or furnished to this Authority in the following language which is:		
	\Box	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).		
	H	the language of publication of the international application (under Rule 48.3(b)).		
	H			
	Ш	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).		
3.	With	h regard to any nucleotide and/or amino acid sequence disclosed in the international application, the		
	inter	national preliminary examination was carried out on the basis of the sequence listing:		
		contained in the international application in printed form.		
		filed together with the international application in computer readable form.		
		furnished subsequently to this Authority in written form.		
		furnished subsequently to this Authority in computer readable form.		
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the		
		international application as filed has been furnished.		
		The statement that the information recorded in computer readable form is identical to the written sequence listing		
		has been furnished.		
4.	\boxtimes	The amendments have resulted in the cancellation of:		
	_	the description, pages NONE		
		the description, pages NONE		
		the claims, Nos. None		
		the drawings, sheets/fig NONE		
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go		
	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**			
thi	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.			



International application No. PCT/US00/18896

V. Reasoned statement under Rule 66.2(a)(ii) citations and explanations supporting such		d to novelty, inventive step or industrial applicab	outy;	
1. STATEMENT				
Novelty (N)	Claims	1-12	_YES	
	Claims	NONE	NO	
Inventive Step (IS)		NONE	_YES	
	Claims	1-12	NO	
Industrial Applicability (IA)	Claims	1-12	YES	
110 mastrai / 12pp 23 mastrai / (= -)		NONE	NO	
 CITATIONS AND EXPLANATIONS Claims 1-12 meet the criteria of PCT Article 33(2) be Claims 1-12 lack an inventive step under PCT Article 		or art does not teach the heartburn prevention method here	ein.	
pharmaceutical composition comprising an effective at abstract, col.1 lines 27-29, col.12 line 38, and claims	mount of om 1-3. Phillips	ding GERD (or heartburn) by administering to a human participation and sodium bicarbonate also teaches that the amount of omeprazole to be administable is solid compressed capsule. See col.12 lines 5-7 and lines	e. See tered	
Phillips does not expressly discloses a method of treat	ing or preve	nting heartburn symptoms particularly, in a human.		
It would have been obvious to a person of ordinary sk in a method of treating or preventing heartburn sympt	It would have been obvious to a person of ordinary skill in the art at the time the invention was made to employ Phillips' composition in a method of treating or preventing heartburn symptoms in a human.			
One having ordinary skill in the art would have been motivated to employ Phillips' composition in a method of treating or preventing heartburn symptoms in a human since heartburn is well known to be one of major symptoms of gastric acid disorders. Therefore, Phillips' composition would have been reasonably expected to benefit the treatment of heartburn in a human. Further, Phillips teaches that the composition is expected to be useful in the treatment of heartburn as well as other gastric acid disorders.				
Claims 1-12 meet the criteria of PCT Article 33(4) because the claimed method of treating or preventing heartburn has industrial				
applicability in the pharmaceutical art.		1		
NEW CITATIONS				
NEW CITATION				
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·				
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		·		
Form PCT/IPEA/409 (Box V) (July 1998)	· · · · · · · · · · · · · · · · · · ·			

INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/18896

		<u></u>	
A. CLASSIFICATION OF IPC(7) :A61K 33/00, 31/4 US CL :424/717; 514/339	•		
	nt Classification (IPC) or to both	national classification and IPC	
B. FIELDS SEARCHED			
Minimum documentation search	ned (classification system follower	d by classification symbols)	
U.S. : 424/717; 514/339,	819		
Documentation searched other ti	han minimum documentation to the	extent that such documents are included	in the fields searched
Electronic data base consulted	during the international search (na	ame of data base and, where practicable	e, search terms used)
C. DOCUMENTS CONSI	DERED TO BE RELEVANT		
Category* Citation of do	cument, with indication, where ap	opropriate, of the relevant passages	Relevant to claim No.
X US 5,840,73 document.	7 A (PHILLIPS) 24 M	November 1998, see entire	1-12
Further documents are li	sted in the continuation of Box C	See patent family annex.	
* Special categories of cited d "A" document defining the gener to be of perticular relevance	ral state of the art which is not considered	*T* later document published after the int date and not in conflict with the app the principle or theory underlying the	lication but cited to understand
	on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered.	
	doubts on priority claim(s) or which is cation date of another citation or other	"Y" document of particular relevance; the	e claimed invention cannot be
	ral disclosure, use, exhibition or other	considered to involve an inventive combined with one or more other suc being obvious to a person skilled in	h documents, such combination
P document published prior to the priority date claimed	the international filing date but later than	"&" document member of the same pater	t family
Date of the actual completion of the international search 12 AUGUST 2000 Date of mailing of the international search report 30 AUG 2000			-
Name and mailing address of the ISA/US Authorized officer Authorized officer			
	Commissioner of Patents and Trademarks Box PCT M MOPTIF		
Facsimile No. (703) 305-323	30	Telephone No. (703) 308-1235	7-

From the INTERNATIONAL SEARCHING AUTHORITY

To: DARA L. BENEROLL INC. INC. BEECHAM SMITHKLINE BEECHAM CORPORATION CORPORATE INTELLECTUAL PROPERTY, UN 2230 709 SWEDELAND ROAD, P.S. BOX 1539



KING OF PRUSSIA, PENNSYLVANIA 19406-0939	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION			
·	(PCT Rule 44.1)			
···· ··· ·	Date of Mailing (day/month/year) 30 AUG 2000			
Applicant's or agent's file reference				
<u> </u>	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No.	International filing date			
PCT/US00/18896	(day/month/year) 12 JULY 2000			
Applicant SMITHKLINE BEECHAM CORPORATION				
	l search report has been established and is transmitted herewith.			
Filing of amendments and statement under Article The applicant is entitled, if he so wishes, to amend	the claims of the international application (see Rule 46):			
When? The time limit for filing such amendm	ents is normally 2 months from the date of transmittal of the			
international search report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35				
For more detailed instructions, see the notes on	the accompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.				
3. With regard to the protest against payment of (an)	additional fee(s) under Rule 40.2, the applicant is notified that:			
the protest together with the decision thereon happlicant's request to forward the texts of both	as been transmitted to the International Bureau together with the h the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.				
4. Further action(s): The applicant is reminded of the fol	lowing:			
Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication.				
Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).				
Within 20 months from the priority date, the applicant m	ust perform the prescribed acts for entry into the national phase			
Name and mailing address of the ISA/US	Authorized officer (100)			
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	M. MOEZIE Budges			
Facsimile No. (703) 305-3230	Telephone No. (703) 308-1235			
Form PCT/ISA/220 (July 1998) *	(See notes on accompanying sheet)			

From the INTERNATIONAL SEARCHING AUTHORITY

PCT To: DARA L. DINNER SMITHKLINE BEECHAM CORPORATION CORPORATE INTELLECTUAL PROPERTY, UW2220 709 SWEDELAND ROAD, P.O. BOX 1539 NOTIFICATION OF TRANSMITTAL OF KING OF PRUSSIA, PENNSYLVANIA 19406-0939 THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION (PCT Rule 44.1) Date of Mailing (day/month/year) 30 AUG 2000 Applicant's or agent's file reference FOR FURTHER ACTION See paragraphs 1 and 4 below C75101 International application No. International filing date (day/month/year) PCT/US00/18895 12 JULY 2000 Applicant SMITHKLINE BEECHAM CORPORATION The applicant is hereby notified that the international search report has been established and is transmitted herewith. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46): When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet. Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35 For more detailed instructions, see the notes on the accompanying sheet. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that: the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices. no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made. 4. Further action(s): The applicant is reminded of the following: Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 bis 1 and 90 bis 3, respectively, before the completion of the technical preparations for international publication. Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later). Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II. Name and mailing address of the ISA/US Authorized officer Commissioner of Patents and Trademarks

M. MOEZIE

Telephone No.

(703) 308-1235

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (July 1998)*

Washington, D.C. 20231

Box PCT

(See notes on accompanying sheet)



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

International application No. PCT/USO0/18896 It is international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. It is also accompanied by a copy of each prior art document cited in this report. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this Authority (Ruley 23.1(b)). b. With regard to an according an according application in written form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application in furnished. Cardial claims were found unsearchable (See Box I). With regard to the state, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: **Substitute of the substract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. because the applicant failed to suggest a figure. because this figure better characterizes the invention.	Applicant's or agent's file reference C75101	FOR FURTHER ACTION		Transmittal of International Search Report 0) as well as, where applicable, item 5 below.
Applicant SMITHKLINE BEECHAM CORPORATION This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Burcau. This international search report consists of a total of \$\infty\$ sheets. X It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international application in computer readable form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unsearchable (See Box I). 3. Unity of tavestion is lacking (See Box II). With regard to the title, the text is approved as submitted by the applicant. the text is approved as submitted by the applicant. the text is approved as submitted by the applicant. the text is approved as submitted by the Authority to read as follows: 6. The figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant failed to suggest a figure. None of the figures.	International application No.	International filing dat	ie (day/month/year)	(Earliest) Priority Date (day/month/year)
SMITHKLINE BEECHAM CORPORATION This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of sheets. X It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application in the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to say nucleotide and/or amino acid sequence disclosed in the international application, the international application on the satisfaction on the basis of the sequence listing contained in the international application in outputer readable form. furnished subsequently to this Authority in computer readable form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. certain claims were found unsearchable (See Box I). 1. Unity of laveation is lacking (See Box II). 4. With regard to the title, X the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international applicant. the text has b	PCT/US00/18896	12 JULY 2000		12 JULY 1999
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X It is also accompanied by a copy of each prior art document cited in this report. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international application furnished to this Authority (Rule 23.1(b)). With regard out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in written form. furnished subsequently to this Authority in omputer readable form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unsearchable (See Box I).	This international search report has be according to Article 18. A copy is be	een prepared by this Interning transmitted to the Inter	national Searching Aumational Bureau.	athority and is transmitted to the applicant
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a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international space was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. Certain claims were found unsearchable (See Box I). Unity of Invention is lacking (See Box II). With regard to the title, X the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, aubmit comments to this Authority. So the figure of the drawings to be published with the abstract is Figure No	X It is also accompanied by a	copy of each prior art do	cument cited in this	report.
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was carried out on the basis of the sequence listing: contained in the international application in written form. filed together with the international application in computer readable form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unsearchable (See Box I). Unity of invention is lacking (See Box II). With regard to the title, the text has been established by the applicant. the text has been established by this Authority to read as follows: So With regard to the abstract, the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. The figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. None of the figures. None of the figures.	• • • • • • • • • • • • • • • • • • • •	e and/or amino acid seque	nce disclosed in the in	stemational amplication, the international acomb
filed together with the international application in computer readable form. furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readable form. the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished. Certain claims were found unsearchable (See Box I). Unity of invention is lacking (See Box II). With regard to the title, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. 6. The figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. None of the figures.				merimonia apparatori, un interimidatori acateri
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International application No. PCT/US00/18896

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :A61K 33/00, 31/44 US CL :424/717; 514/339 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/717; 514/339, 819 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
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